



53556

Xylose Lysine Deoxycholate Agar (XLD Agar)(U/P) (I/P)

Part D

Specifications

Appearance (Colour)	Pink
Appearance (Form)	Free flowing, homogeneous powder
Solubility	56.68 gm/liter
Solubility before autoclaving (Clarity)	Clear to very slightly opalescent
Gel strength (1.5% gel)	Firm, comparable with 1.5% agar gel
pH (25°C)	7.5 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Red
Cultural Response	Inoculate and incubate at 37°C for 24 hours
Organism	Salmonella typhi ATCC 6539
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Red w/black centres
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Red w/black centres
Organism	Salmonella paratyphi B
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Red w/black centres
Organism	Proteus vulgaris ATCC 13315
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Grey w/black centres
Organism	Shigella flexneri ATCC 12022
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : 30.0% Colony colour : Red
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Fair Recovery Rate : 30.0% Colony colour : Yellow
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth : Good Colony colour : Yellow
Organism	Salmonella paratyphi A
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Red
Organism	Proteus mirabilis ATCC 12453
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Yellow
Organism	Salmonella enteritidis ATCC 13076

Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Red w/black centres
Organism	Shigella sonnei ATCC 25931
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Red
Organism	Shigella dysenteriae ATCC 13313
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Red
Organism	Staphylococcus aureus ATCC 25923
Inoculum	Growth : Inhibited
Organism	Enterococcus faecalis ATCC 29212
Inoculum	Growth : Inhibited

Other Information

Applications

Used for the isolation and differentiation of enteric pathogens, especially Shigella and Providencia.

Composition	
Ingredients	gm/lt.
Agar	15.00
Lactose	7.50
Sodium chloride	5.00
Sucrose	7.50
Sodium thiosulphate	6.80
L-Lysine	5.0
Xylose	3.50
Yeast extract	3.00
Sodium deoxycholate	2.50
Ferric ammonium citrate	0.80
Phenol Red	0.08

Directions

1. Add 56.68 gm powder to 1.0 liter of distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Do not autoclave.
4. Dispense into sterile petri plates.

General Information

Storage	8 to 25°C (Cool & Dry Area)
Shelf Life	36 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
100 Gms	38210000 (GST 18%)
500 Gms	38210000 (GST 18%)
Type of Packing	
100 Gms	Plastic Bottle
500 Gms	Plastic Bottle

Available Packages

Disclaimer

The information represented here may/may not represent the entire product specification, application or protocol recommended by Sisco Research Laboratories Pvt. Ltd. (SRL). This information is for the user scientists or trading community as a guide in their applications. The company claims no liability for misuse resulting due to wrong usage of the information above. For actual batch related documents, mail us.

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